

Work Order ID 67652

Tuesday, March 29, 2011 9:08:14 AM

Page 1

Item ID: D4022-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Fuel Transfer Pump Assembly

Start Date: 3/29/2011 Start Qty: 4.00

Cust Item ID:

Required Date: 4/8/2011 Req'd Qty: 4.00

Customer:

Reference:

Approvals: Process Plan: C2 Date: 11/03/29 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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D4022	A
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100		0.00							
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Small Fab

Memo 0.00

Small Fab

assemble as per dwg D4022

Metal set A4 batch: M 116173

110	QC5- Inspect part completeness to step on W/O	0.00							
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QC

Memo 0.00

Quality Control

120	Identify as per dwg & Stock Location: <u>1390</u>	0.00							
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Packaging

Memo 0.00

Packaging

(3x)

⇒ m-h 11/03/31

8/03/31

(x3)

11/4/15 (3x)

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action		Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng				

NOTE: Date & initial all entries

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Page 2

Item ID: D4022-041

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/4/4
MF

11-04-01

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, March 29, 2011 9:08:08 AM

Page 1

Work Order ID: 67652

Parent Item: D4022-041

Parent Item Name: Fuel Transfer Pump Assembly





Start Date: 3/29/2011

Required Date: 4/8/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP rev A 10.02.02 new issue Prelim EC verified by:DD IPP Rev:B
10.05.17 as per ECN10-562 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status																																																																						
D4022-1  Fuel Transfer Pump		Manufactured	No			100	Each	3.0000	1	4																																																																									
<table><tr><td><u>Location</u></td><td><u>Loc Qty</u></td><td><u>Loc Code</u></td><td colspan="11"></td></tr><tr><td>ST112</td><td>3</td><td></td><td colspan="11"></td></tr><tr><td>65435 ✓</td><td>1</td><td></td><td colspan="11"></td></tr><tr><td>66117 ✓</td><td>2</td><td></td><td colspan="11"></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>												ST112	3													65435 ✓	1													66117 ✓	2																										
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65435 ✓	1																																																																																		
66117 ✓	2																																																																																		
D4022-5  Thermal Switch		Manufactured	No			100	Each	14.0000	1	4																																																																									
<table><tr><td><u>Location</u></td><td><u>Loc Qty</u></td><td><u>Loc Code</u></td><td colspan="11"></td></tr><tr><td>ENG</td><td>1</td><td></td><td colspan="11"></td></tr><tr><td>55518</td><td>1</td><td></td><td colspan="11"></td></tr><tr><td>ST110</td><td>14</td><td></td><td colspan="11"></td></tr><tr><td>64945 ✓</td><td>14</td><td></td><td colspan="11"></td></tr></table>														<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>												ENG	1													55518	1													ST110	14													64945 ✓	14												
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m-l 11/03/31

1X
2X

m-l 11/03/31

4X

m-l 11/03/31

6X

m-l 11/03/31

6X

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

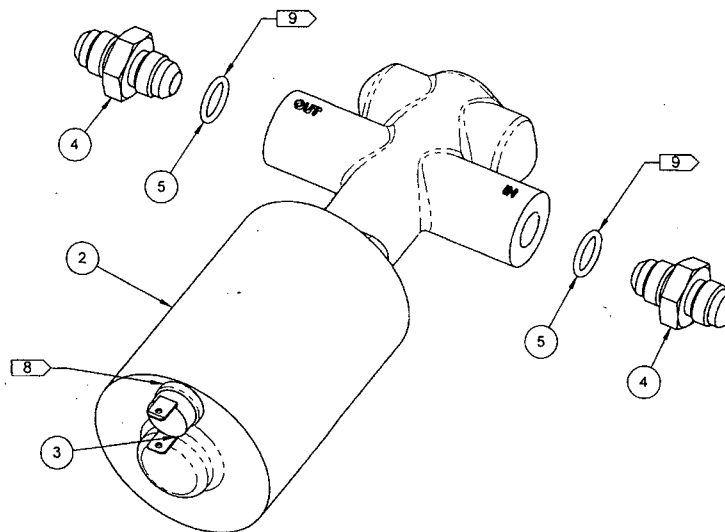
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4022-041	FUEL TRANSFER PUMP ASSEMBLY	A8150-B1-JCA
2	1	D4022-1	FUEL TRANSFER PUMP	
3	1	D4022-5	THERMAL SWITCH	
4	2	AN818-6D	FITTING, UNION	
5	2	MS29512-06	O RING	



D4022-041 FUEL TRANSFER PUMP ASSEMBLY

CH 4103129
W10.67652

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4022-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 2.61 lbs
- 8) ATTACH D4022-5 THERMAL SWITCH TO D4022-1 FUEL PUMP IN LOCATION SHOWN USING METALSET A4
- 9) LUBRICATE O-RING WITH ULTRACHEM ASSEMBLY FLUID #1, FUEL-LUBE, MOLYKOTE 55 O-RING GREASE OR EQUIVALENT

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2010-05-05
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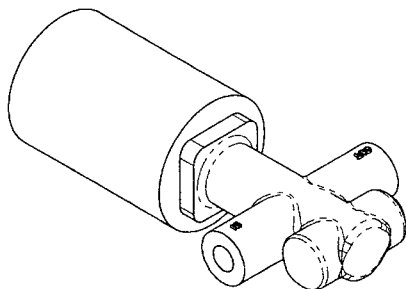
A	NEW ISSUE		10.04.16
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.04.16		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. A
DRAWING NO.	D4022	SHEET 1 OF 4
TITLE	FUEL PUMP	SCALE NTS

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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4022-1	REF JCA/M47/D3/SHT 13

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	SUPPLIER	SUPPLIER PART NUMBER	OPERATING VOLTAGE	FLOW (GPH)	OUTPUT PRESSURE (PSI)	TEMPERATURE RANGE
D4022-1	WELDON	A8150-B1	24 VDC	35 - 50	5 - 25	-65°F TO +185°F
	AEROSPACE ACCESSORIES	A8150-B1	24 VDC	35 - 50	5 - 25	-65°F TO +185°F

D4022-X FUEL TRANSFER PUMP

CL
W10'6 7652

RELEASED
2010-05-05
AM

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.6 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4022	SHEET 2 OF 4
APPROVED		TITLE	SCALE
DE APPR.		FUEL PUMP	NTS
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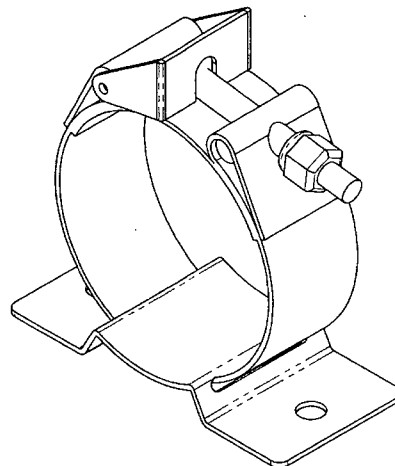
DART AEROSPACE
PART NUMBER

D4022-3

JOHN CAMERON AVIATION
PART NUMBER

REF JCA/M47/D3/SHT 13

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	FITS MOTOR SIZE (ϕ)
D4022-3	WELDON	TC 250-100	STAINLESS STEEL	2.5
	AIRCRAFT SPRUCE AND SPECIALTY	05-00021	STAINLESS STEEL	2.5
	AEROSPACE ACCESSORIES	TC 250-100	STAINLESS STEEL	2.5

D4022-X FUEL PUMP MOUNTING BRACKET

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.33 lbs

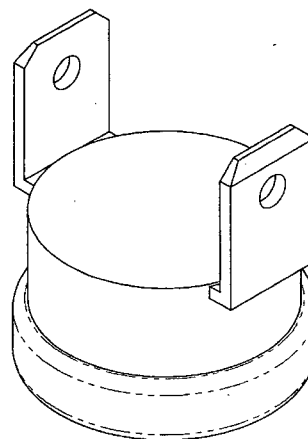
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DE APPR.		DRAWING NO. D4022	REV. A
DATE	10.04.16	TITLE FUEL PUMP	SHEET 3 OF 4 SCALE NTS
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RELEASED
2010-05-05
MD

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4022-5	REF JCA/M47/D3/SHT 13

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	ALTERNATE PART NUMBER	TEMPERATURE WHEN SWITCH OPENS
D4022-5	FARNELL	1006847	3775628	125°F
	HONEST-WELL	T23A125BSR2-15	3775628	125°F
	NEWARK	98K1992	3775628	125°F

D4022-X THERMAL SWITCH

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.00 lbs

w/10:67652

RELEASED
2010-05-05
MP

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DESIGN DRAWN CHECKED MFG. APPR. APPROVED DE APPR. DATE	DRAWING NO. D4022 TITLE FUEL PUMP REV. A SHEET 4 OF 4 SCALE NTS <small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>

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